09/11/2008

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NOTICE OF ALLOWANCE AND FEE(S) DUE

45209 7590

INTEL/BSTZ BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP 1279 OAKMEAD PARKWAY SUNNYVALE, CA 94085-4040

EXAMINER				
VO, TED T				
ART UNIT	PAPER NUMBER			
2191				

DATE MAILED: 09/11/2008

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/804,489	03/18/2004	Vincent J. Zimmer	42P18506	7634

TITLE OF INVENTION: SHARING TRUSTED HARDWARE ACROSS MULTIPLE OPERATIONAL ENVIRONMENTS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	12/11/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

	ed below or directed oth	ng the Patent, advance on the nerwise in Block 1, by (a							
	ENCE ADDRESS (Note: Use Bl	,		Fee(s) Transmittal. Thi	s certif	g can only be used for icate cannot be used for such as an assignmentialling or transmission.	or any	other accompanying
INTEL/BSTZ BLAKELY SOKOLOFF TAYLOR & ZAFMAN LL 1279 OAKMEAD PARKWAY				I her State addr trans	eby certify that th	is Fee(e of Mailing or Trans s) Transmittal is being ficient postage for fir ISSUE FEE address 1) 273-2885, on the d	denos	sited with the United
SUNNYVALE,	CA 94085-4040								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CON	NFIRMATION NO.
10/804,489 TITLE OF INVENTION	03/18/2004 J: SHARING TRUSTED	HARDWARE ACROSS	Vincent J. Zimme MULTIPLE OPERA		IAL ENVIRONMI	ENTS	42P18506		7634
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nonprovisional	NO	\$1440	\$300		\$0		\$1740		12/11/2008
EXAM	MINER	ART UNIT	CLASS-SUBCLASS	ASS					
VO, 7	TED T	2191	718-001000						
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	ND RESIDENCE DATA less an assignee is ident th in 37 CFR 3.11. Comp	" Indication form	data will appear on the	rnativesingles or a attored attored attored attored be por type the page an a	rely, e firm (having as a gent) and the nammers or agents. If printed. e) ttent. If an assignassignment.	membes of uno name	er a 2p to lee is 3lentified below, the d	ocume	nt has been filed for
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):		Individual 🖵 Co	orporati	on or other private gro	oup ent	tity Government
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 						
5. Change in Entity Sta	itus (from status indicated in SMALL ENTITY state		☐ b. Applicant is no	lone	er claiming SMAI	L EN	ГІТҮ status. See 37 С	FR 1-2:	7(g)(2)
* *		uired) will not be accepte tes Patent and Trademark							
interest as shown by the	records of the Officed Sta	ites ratent and Trademark	Conice.						
Authorized Signature					Date				
Typed or printed name			Registration No.						
an application Confiden	tiality is governed by 35 d application form to the ions for reducing this but /irginia 22313-1450. DC	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	1.14 This collection i	e octi	imated to take 12 r	ninuted	to complete includir	or oath	ering preparing and

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10/804,489	03/18/2004 Vincent J. Zimmer		42P18506	7634	
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INTEL/BSTZ		VO, T	EDT		
BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP			ART UNIT	PAPER NUMBER	
1279 OAKMEAD SUNNYVALE, CA		2191 DATE MAILED: 09/11/200	8		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 555 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 555 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)				
Notice of Allowability	10/804,489 Examiner	ZIMMER ET AL. Art Unit				
, , , , , , , , , , , , , , , , , , ,	Examiner	Artonii				
	TED T. VO	2191				
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr GHTS. This application is	in this application. If not included nunication will be mailed in due co	d ourse. THIS			
1. This communication is responsive to 7/14/2008.						
2. The allowed claim(s) is/are <u>1-3,7-12,15-19 and 21-27</u> .						
3. \square Acknowledgment is made of a claim for foreign priority ur	nder 35 U.S.C. § 119(a)-(d) or (f).				
a) ☐ All b) ☐ Some* c) ☐ None of the:						
 Certified copies of the priority documents have 	been received.					
Certified copies of the priority documents have	been received in Applicate	ion No				
Copies of the certified copies of the priority do	cuments have been receiv	ed in this national stage application	on from the			
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:						
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requ	ıirements			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			TICE OF			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Revi	ew (PTO-948) attached				
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment	or in the Office action of				
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the			ack) of			
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			ote the			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of	Informal Patent Application				
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),				
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No	o./Mail Date 's Amendment/Comment				
Paper No./Mail Date4. Examiner's Comment Regarding Requirement for Deposit	4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. ☒ Examiner's Statement of Reasons for Allowance					
of Biological Material 9.						
/Ted T. Vo/						
Primary Examiner, Art Unit 2191						

Reasons for Allowance

1. Claims 1-3, 7-12, 15-19, 21-27 are allowed.

Closed prior art of record relied on during the prosecution: Garfinkel et al., "Terra: A Virtual Machine-Based Platform for Trusted Computing", ACM, 2003.

The following is an examiner's statement of reasons for allowance:

In the argument remarks, Applicants had argued Garfinkel does not teach compound hash; the Garfinkel's hash values are directed toward software applications that are different from hardware configuration as recited in the manner:

determining a first VM platform configuration including a first hash value based on information measured from the first VM and a second VM platform configuration including a second hash value based on information measured from the second VM; using a trusted hardware device shared between the first and the second VM to determine a stored compound hash value based on a combination of the first VM platform configuration and the second VM platform configuration;

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted T. Vo whose telephone number is (571) 272-3706. The examiner can normally be reached on 8:00AM to 4:30PM.

Art Unit: 2191

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Y. Zhen can be reached on (571) 272-3708.

The facsimile number for the organization where this application or proceeding is assigned is the Central Facsimile number 571-273-8300.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TTV

August 28, 2008

/Ted T. Vo/

Primary Examiner, Art Unit 2191